

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13638771		
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 23.9 kg Moment of inertia (J) : 0.0068 kgm ²		
Output [HP]	2			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	20.0/11.1-10.0			
L. R. Amperes [A]	160/88.8-80.0			
LRC [A]	8.0x(Code L)			
No load current [A]	12.2/5.26-6.10			
Rated speed [RPM]	1745			
Slip [%]	3.06			
Rated torque [kgfm]	0.832			
Locked rotor torque [%]	260			
Breakdown torque [%]	260			
Service factor				
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level ²	54.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	76.0		
	100%	78.5		
Power Factor	25%			
	50%	0.66		
	75%	0.76		
	100%	0.82		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 56 kgf Max. compression : 80 kgf		
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
Date	13/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

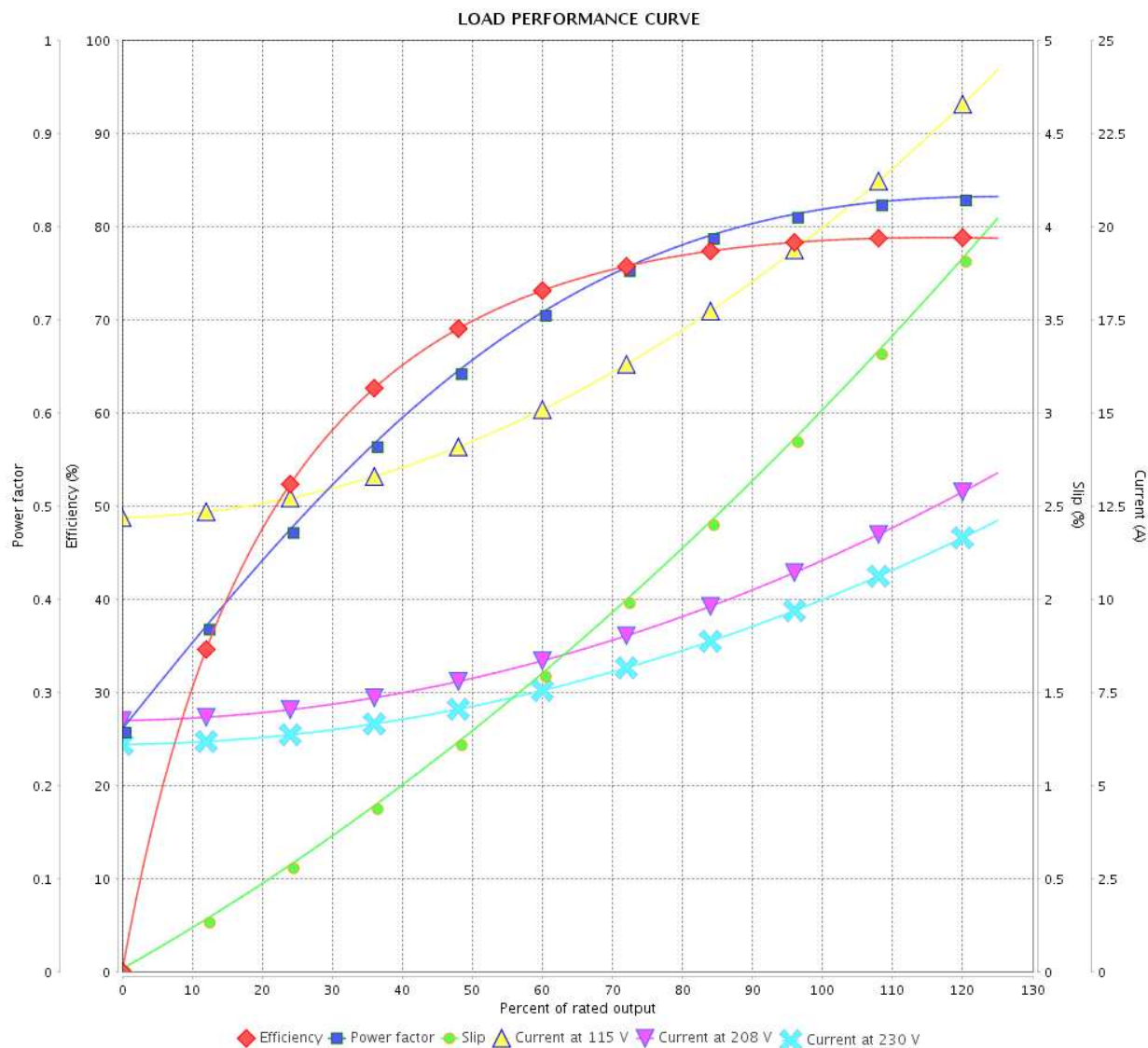
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13638771



Performance : 115/208-230 V 60 Hz 4P

Rated current : 20.0/11.1-10.0 A
 LRC : 8.0
 Rated torque : 0.832 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 260 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0068 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					

